
Contact.

What if there is some life out there? what if it is intelligent? and, as an even longer shot, what if it is looking for us with sensors? i propose that we try to find it - maybe it is hiding? look at all the wars we have had, terrible atrocities we have committed, and then look around. do you like the people you see? if you were to choose to like someone, would you choose them? why would a intelligence?

But, that is besides the point. we need to get in contact with them. maybe it would be easier with magic or esp, but i believe that we could build a machine that could help us - a machine built out of the things of today, of course.

So, we need to think of a way to get past this horrible image and into their hearts. i have no doubt that they have already heard us and do not want to talk to us, but, we could encourage contact by communicating with them a few things that we are proud of. we could speak to them and they could listen, but i propose a real honest message! let us say that we are lonely and want to marvel at our own achievement of things and want them to bear witness to our beauty, for instance, as i am sure they will find us attractive.

But, back to the machine. if theirs works on electricity, as all our machines do, we could try to hot wire theirs to talk to ours. this could be done by encoding the electrical signal with information. i guess, and this is an educated guess thank you very much, that we could talk to them whether they like it or not! the problem is getting an answer, but maybe we can force that too?

So, maybe let's say we are looking for a life form about two hundred years superior to us? is that modest? i hope so, as they will probably have electricity and machines working together in their bodies or in helmets or whatever. if this is true, and we have fusion power - which is the very powerful force of the reactions on the sun, then we could steal a signal from them.

I am not talking about sonar. that is what satellites do. i am talking about a dish that transmits electricity to somewhere, and polarize it so that it travels back down the same way. picture two like lines going vertically right next to each other - the first positive line would go away, it would collect on their body, then the second line that we make is negative, and in the middle of the two positive lines. with more positive than negative, it will be pushed away from each other, but that is good as we need to get the other line to travel along the negative line back to us. the only trick is getting the collected body that we reach to stay still and of course be a conductor.

Now, we need information. what are we looking to do? are we looking to identify life, force communication - like ah this beam is too sore - or something else? i suggest we look for a message, from us, to the 'being,' and have them send us biological information. who knows, we might even be able to receive things that will make us go ah this beam is too sore?

Now, what is in the beam? i suggest we use some nano bots, a few thousand or something? these could simply be made to collect bio mass information or something. okay, even better, we should send audio waves! these will make a noise, collect, then we filter out our own sounds and listen?

Photons in the laser.

The main problem is when it comes to getting to the life form or computer. there is this thing called planets or ships they are on, and, sometimes it is hard to aim the laser at them. electricity will go through most metals, but it won't go through a planet's core as it will earth and be rendered useless.

This means that we need to find an element that will go through things. or, we could use gamma rays. those go through anything. i suggest we use radiation to get the message there and back, as that is probably the only thing that will carry a message through the planet of craft. of course, the earth is like a star too, having a core with us on top of it.

If we use gamma rays, we could identify biomass and see if there is any life out there, confirm it, and then get the rays to return to earth, but i am not aware of anything that will polarize gamma rays, so we can use photons instead, as they have no mass and can pass right through the things they encounter.

 Quote by: http://en.wikipedia.org/wiki/Photon_polarization

Photon polarization is the quantum mechanical description of the classical polarized sinusoidal plane electromagnetic wave. Individual photon eigenstates have either right or left circular polarization. A photon that is in a superposition of eigenstates can have linear, circular, or elliptical polarization.

So, we already have what we need. if we make it go left to the target, it will circle back to the right, or vice versa, no problem.

Nanobots for organ repair.

If we were to use nano bots to repair organ damage we could save ourselves a lot of time and money. Maybe if we were to make them actual parts of the organ, or, made of the same stuff, they would find their way to the organ. or even making them dna programmed to go to a certain place and become part of the organ, they could repair it?

Now, what do we need? we need many small nanobots to go into the organ and repair it. maybe if we were to program them to cut away at damaged areas or tissue, they could cut it away and then we could release new bots to become part of it again? that seems to be the best way.

So, if we were to cut it away first, we could try to program a bot to kill old tissue that has basically gone 'rotten' or whatever it does. this would require an acid - a potent acid mind you - enclosed in a outer bot that will guide it there, then release. if it needs to be guided, maybe we should try to make the outer bot out of dna that is programmed to go the specific place? i mean, some things in the body will go to certain places, so, with the wide variety of things in the body, and the wide variety of organs for them, this should be down to specifics - where no two sorts of bots will go to the same organ. we could use bots made out of outer rna that is selected to go to specific areas in the body. once it is there, it could be programmed to 'die' when it meets something 'rotten,' and then release the acids to destroy the bits of the 'rotten' organ.

Now, to repair it! we could use rna to take the repairing cells to the afflicted organ, and then release growth hormones or something else to repair the cells. if growth hormones will not do the trick, we need to use the appropriate biomass to bind to the organ to protect it. but, wouldn't it be better if we simply destroyed the organ slowly and built it up at the same time? that sounds harder.

In that case, we would need to program bots to find certain spaces on the organ,

and just fall into space as it is eaten. the new cells won't be eaten as they are not old.

To give the person a kick of energy like a youthful person, we could add sugar to the bots to add to the organ and therefore be used up in the body to make sure the organ replaces itself as quickly as possible.

Self assembly.

I was reading a outstanding list of problems in nanotechnology, and the outstanding problems seem to be about self assembly. this is where the chemicals will naturally assemble themselves to form the thing that they want to form.

If they want to form the things they want to form, they should try to charge them. i am not talking about positive and negative, north and south, i am talking about numbered sequencing. this can be done as if it were a zygote, with the bots collecting around their numbered sequence, and binding together. this would require actually, a lot of nanobots that form as if they were compounds in chemistry. if it were a water molecule, they would form natural water if they were added in the correct amounts. this means, of course, we should take apart each thing and find the formula for the thing we want to create.

Now, if what we want to form is not already 'mapped,' we should fool around and find what happens when we add amounts of particles that do something together. this trial and error could take a long time though.

So, what is called for is common sense. if the particle is to function as if it were coffee, then we could easily copy that formula. if the particle is similar to coffee, in our estimation, then we could add random things, all with a little common sense, and then build it quickly to see if the thing is doing what we hoped.

The two main areas of nanotechnology the way i see it is medicine and technology, but more medicine. this means, we need to add things that will contribute to life. things like oxygen and carbon would do that, while things like metals would not. this strips away half the list of elements, and, we will get rapid results.

How could it be incorrectly structured if it 'makes sense?' by sense making i mean it is just logical and all biomass.

More on self assembly.

If the compound is to be replicate the organs we have, it is easy to build. we just analyze the organ e want to reproduce, and copy it out. this should be fairly easy, but still, we need to make is self assemble inside the body!

If the body is made up of organs, cells, and chemicals and water, there is only so much we can do to make it work better. of course, if we were to build the cells out of the chemicals we have in supply, we would need to do away with natural bonds, or follow them. let's first go with the flow?

If we need to use electron bonds, we need to just charge them accordingly. i believe we could make up to five or six electron bonds, based on what i have learned about chemistry, but no more. so, we need to look at alternatives to get the specific molecules formed.

Previously, i suggested we try to lance them together with a laser, but then it

won't assemble in the body, and would not be ideal or what we are looking for, so, i suggest now that we try to bond them with electricity, or, even amps! with amps you can choose a lot or a little, and, with milli amps, you could be as selective as you like.

So, using amps, or, milliamps, we could make sure they go where we want them to go. if electrons will bond them, so will amps. and, we can choose how many amps each gets, with the most amped going to the center or the bottom or whatever.
